

GCSE Maths: Multiplying decimals (Higher): worksheet

GCSE Maths - Decimals, Rounding and Estimation - Higher - Lesson 4.3

Name: _____

Date: _____

Score: _____

13 questions. Write your answers in the spaces. Answers and step-by-step help are free at websink.site/gcse/maths/ch04-decimals-rounding-estimation/higher/multiplying-decimals/

Exercise 4C Multiplying decimals

Non-calculator

1 Work out

(a) 0.4×0.2

Answer: _____

(b) 0.5×0.3

Answer: _____

(c) 0.6×7

Answer: _____

(d) 1.2×3

Answer: _____

(e) 0.07×0.9

Answer: _____

(f) 2.5×0.4

Answer: _____

2 Work out

(a) 3.4×5

Answer: _____

(b) 2.15×4

Answer: _____

(c) 6.3×0.8

Answer: _____

(d) 0.25×12

Answer: _____

(e) 1.8×1.5

Answer: _____

(f) 0.45×0.06

Answer: _____

3 Work out

(a) 2.4×1.3

Answer: _____

(b) 0.36×0.15

Answer:

(c) 1.07×0.35

Answer:

(d) 5.2×0.07

Answer:

(e) 3.14×2.5

Answer:

(f) 0.9×0.004

Answer:

4 Use the fact that $36 \times 47 = 1692$ to work out

(a) 3.6×47

Answer:

(b) 0.36×4.7

Answer:

(c) 360×0.47

Answer:

(d) 0.036×0.47

Answer:

5 Maria buys 8 books that each cost £6.75. Work out the total cost.

Answer:

6 Gran buys 12 packs of rice. Each pack has a mass of 0.45 kg. Work out the total mass of rice.

Answer:

7 A rectangle has length 6.5 cm and width 3.2 cm. Work out its area.



Answer:

8 A fence is made from 15 planks laid end to end. Each plank is 2.4 m long. How long is the fence?

Answer:

9 Tick the correct statement and give a reason: "Multiplying a number by 0.5 always makes it bigger." True or false?

Answer:

10 Sam says: " $0.2 \times 0.3 = 0.6$ because $2 \times 3 = 6$." Explain what is wrong and give the correct answer.

Answer:

- 11** Without working it out, is 0.7×0.8 bigger than 0.7 or smaller than 0.7? Give a reason, then work out 0.7×0.8 .

Answer:

- 12** Show that $0.15 \times 0.24 = 0.036$. Then use this result to write down the value of 1.5×2.4 and the value of 150×0.024 .

Answer:

- 13** Find the missing digit: $3.\square \times 0.4 = 1.36$

Answer:
